

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ELEVATIONS SHOWN ARE BASED ON THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY DATUM. JHU-APL-DATUM - 0.94' = HOWARD COUNTY DATUM.
3. THE CONTRACTOR SHALL CALL MISS UTILITY (301) 559-0100, FIVE DAYS PRIOR TO THE START OF CONSTRUCTION.
4. POLY FILTER X FILTER CLOTH BLANKET OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP RAP.
5. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN AN UNINTERRUPTED SERVICE. ANY DAMAGE BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
6. LANDSCAPING SHALL BE BY JHU-APL.
7. THE CONTRACTOR SHALL CONTACT MR. ARTHUR STUCKI, PLANT ENGINEER, (301) 953-7100 AT LEAST 5 WORKING DAYS PRIOR TO COMMENCING ANY WORK.
8. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 992-2417 OR 2418.
9. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
10. STORMWATER MANAGEMENT FOR THIS PROJECT HAS BEEN APPROVED UNDER SDP-83-21.

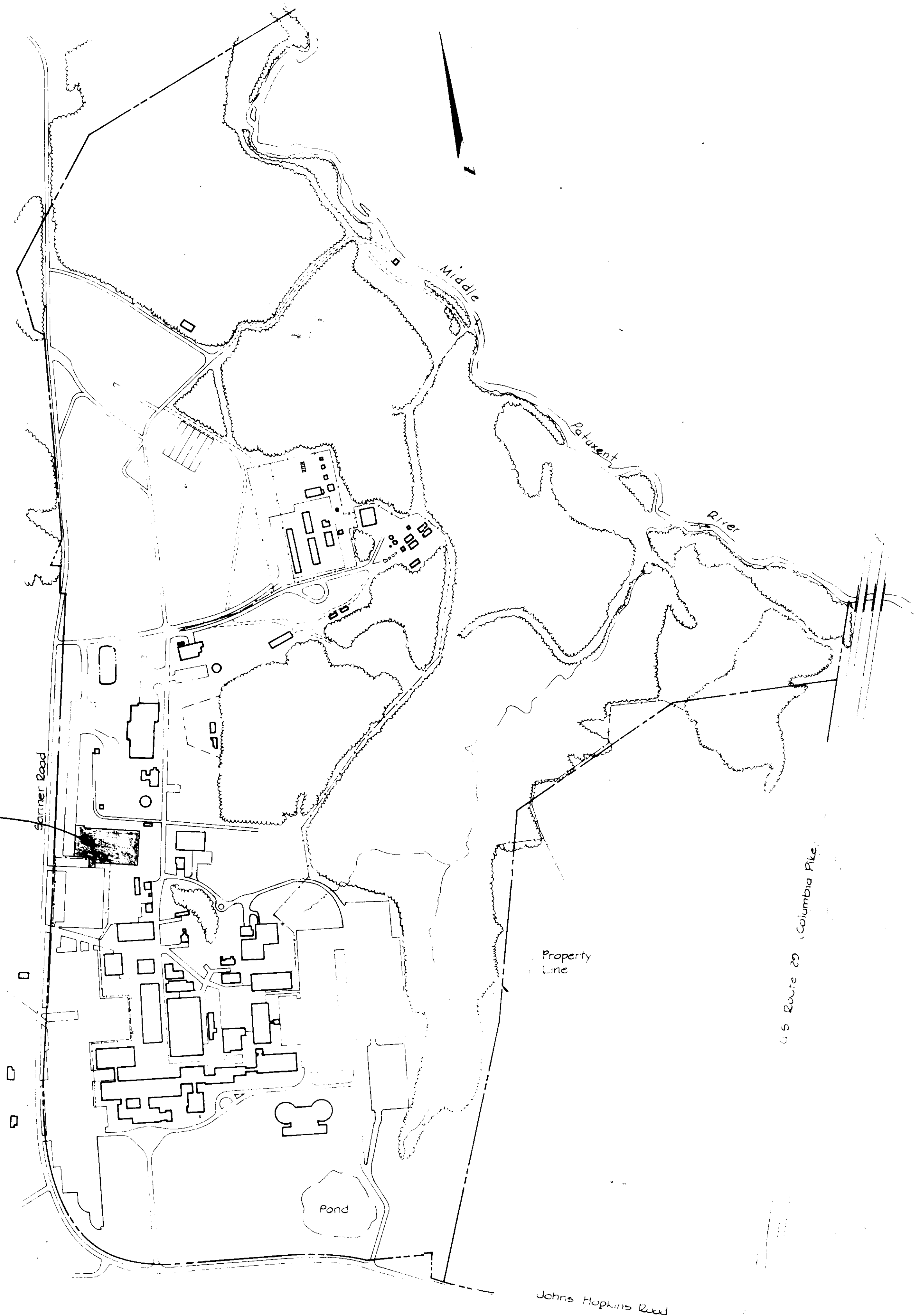
SITE DATA

1. ZONING - - - - - RURAL, R.
2. SITE AREA - - - - - 1.9 AC. ±
3. ACREAGE OF ENTIRE PROPERTY - - - - - 366 AC.
4. EXISTING BUILDING COVERAGE - - - - - 14.0 AC. = 3.82%
5. TOTAL NUMBER OF EXISTING EMPLOYEES/
PERSONNEL ON THE ENTIRE SITE - - - - - 3,100
6. TOTAL NUMBER OF PARKING SPACES REQUIRED - - - - - 2,258
7. TOTAL NUMBER OF PARKING SPACES PROVIDED
EXISTING SPACES - - - - - 2,621
PROPOSED SPACES - - - - - 162
TOTAL EXISTING AND PROPOSED - - - - - 2,809

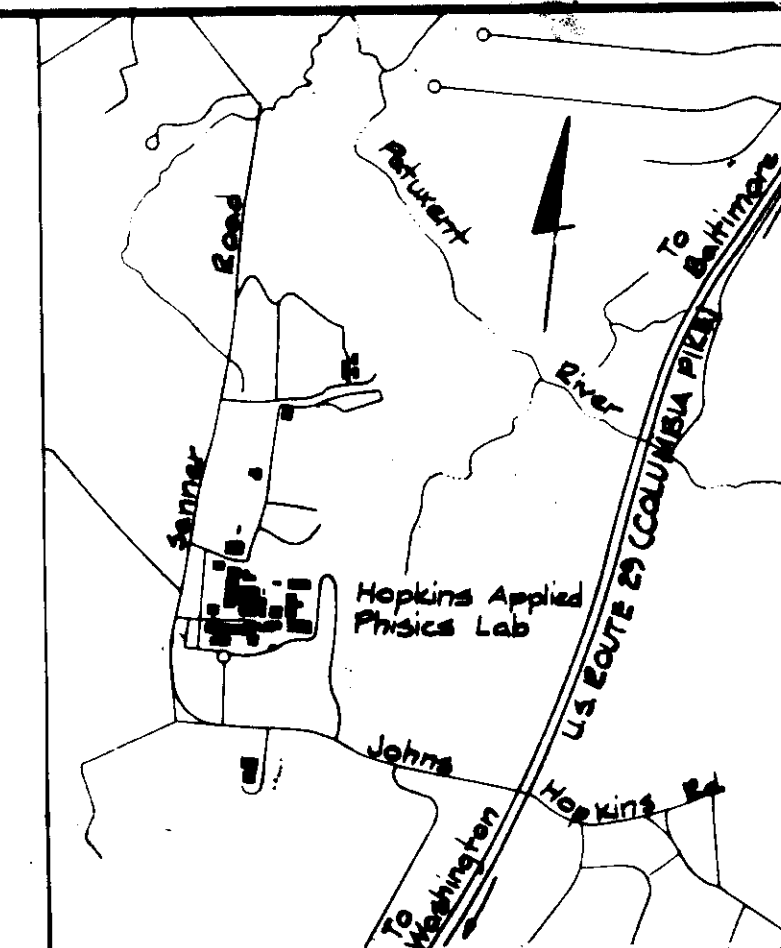
SHEET INDEX

1. COVER SHEET
2. GRADING PLAN
3. ROAD AND UTILITY PLAN
4. PROFILES, DRAINAGE AREA MAP
5. SEDIMENT CONTROL PLAN
6. SEDIMENT CONTROL NOTES, DETAILS

PROJECT SITE



LOCATION PLAN
Scale 1" = 400'



VICINITY MAP
Scale 1" = 2000

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
PARCEL 123	11100 JOHNS HOPKINS ROAD

SUBDIVISION NAME				SECT. / AREA	LOT / PARCEL
J.H.U. APPLIED PHYSICS LAB				N/A	123
PLAT# OR L/F	BLOCK#	ZONE	TAX / ZONE MAP	ELEC. DIST.	CENSUS TR.
234/304	16	R	41	5TH	6051
WATER CODE				SEWER CODE	
E-21				6480000	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 10-9-84
COUNTY HEALTH OFFICER

APPROVED: STORM DRAINAGE SYSTEMS, ROADS AND PUBLIC WATER AND SEWERAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

[Signature] 10-1-86
DIRECTOR

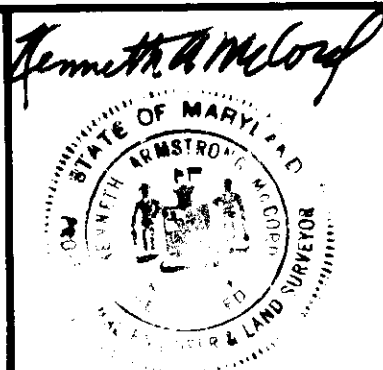
[Signature] 10-1-86
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

[Signature] 10-1-86
PLANNING DIRECTOR

[Signature] 10-1-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

WHITMAN, REQUARDT AND ASSOCIATES
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND
21218



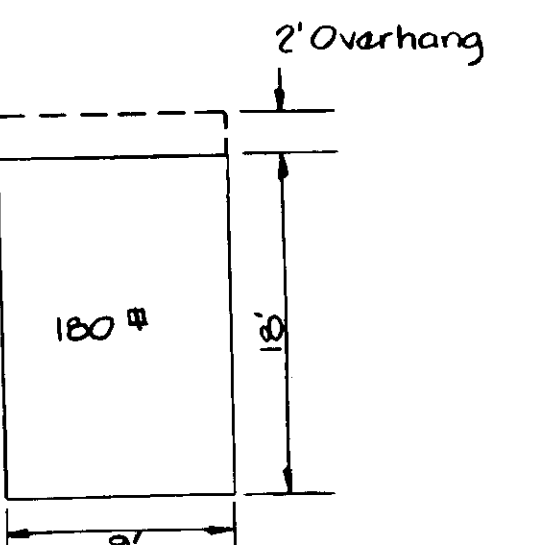
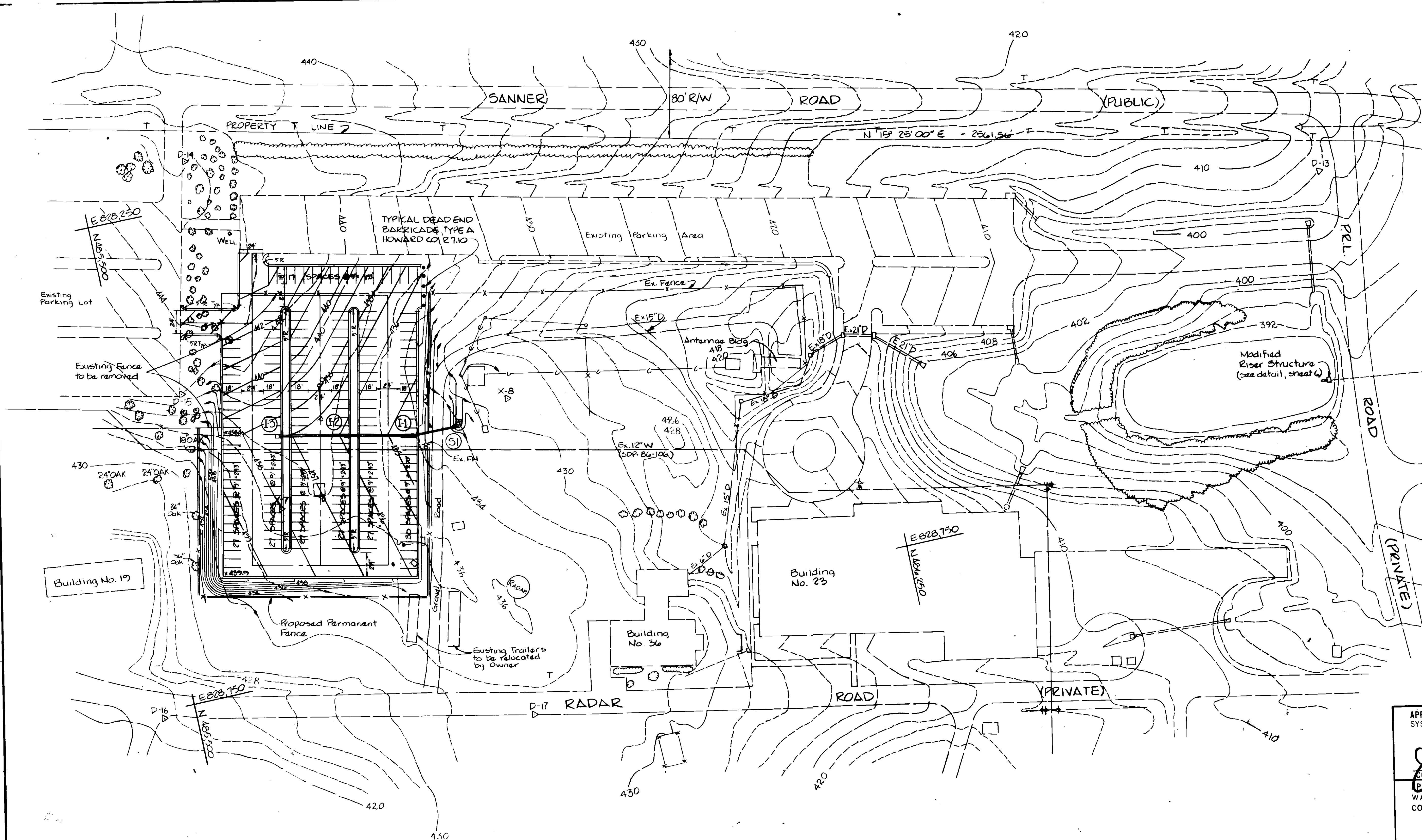
APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
Johns Hopkins Road, Howard County, Maryland
Approved For The University By:
[Signature]
Date 9 July 1986 Title Assoc. Director

SPACE INTEGRATION BUILDING
PARKING LOT EXTENSION
PARKING LOT ADDITION TO SDP-83-215 AND SDP-86-262
THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
11100 Johns Hopkins Road
Laurel, Maryland 20707

COVER SHEET
Fifth Election District
Tax Map 41
Howard County, MD
Parcel 123

REVISIONS
SHEET NO. 1
OF 6
DATE: 7-8-86

SCALE: AS SHOWN
DRAWING
1
DATE: 7-8-86
SDP-87-07



TYPICAL PARKING SPACE DETAIL
No Scale

Note: Handicap parking spaces for Building No. 23 provided under SDP-83-21.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

James Byler DATE: 10-9-86
COUNTY HEALTH OFFICER

PROVIDED: STORM DRAINAGE SYSTEMS, ROADS, AND PUBLIC WATER AND SEWERAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

John F. Numa DATE: 10-1-86
DIRECTOR

James B. Kelly DATE: 10-8-86
CHIEF, BUREAU OF ENGINEERING

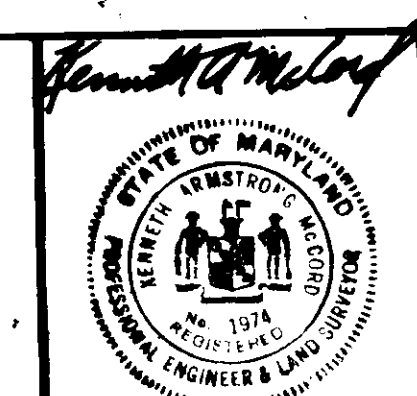
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Donald L. Harris DATE: 10-10-86
PLANNING DIRECTOR

John W. Mendenhall DATE: 10-10-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

DIVISION OF LAND DEVELOPMENT AND ZONING
HOWARD COUNTY
DATE: 9-17-86
mm/mm

WHITMAN, REQUARDT AND ASSOCIATES
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND
21218



APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
Johns Hopkins Road Howard County, Maryland
Approved For The University By *Cy Smith*
Date 9 July 1986 THE ASS. DIRECTOR

**SPACE INTEGRATION BUILDING
PARKING LOT EXTENSION**
PARKING LOT ADDITION TO SDP-83-215 AND SDP-86-262
THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
11100 Johns Hopkins Road Laurel, Maryland 20707

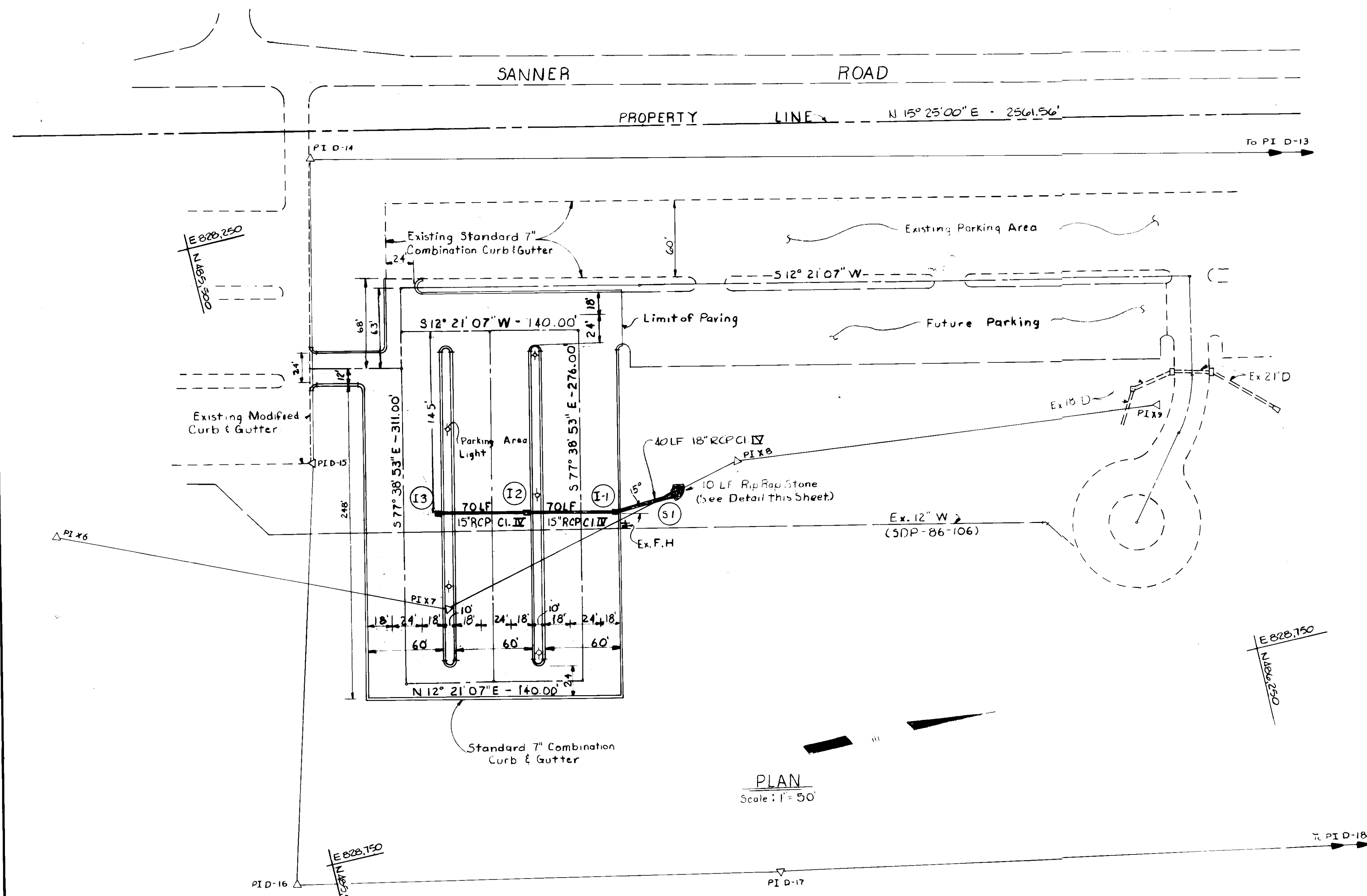
GRADING PLAN
Fifth Election District
Tax Map 41
Howard County, MD
Parcel 123

REVISIONS	SCALE: 1" = 50'	DRAWING
	SHEET NO. 2	2
	QF 6	
	DATE: 7-8-86	

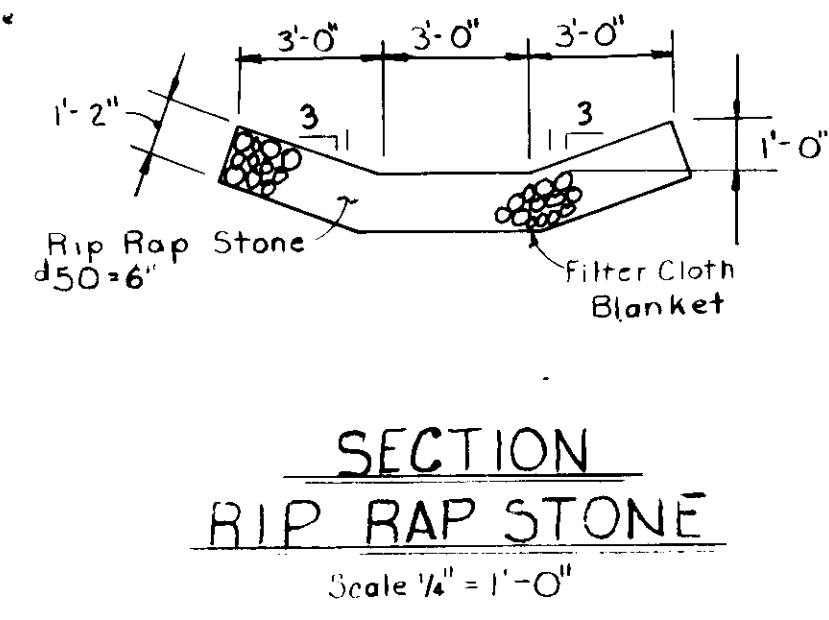
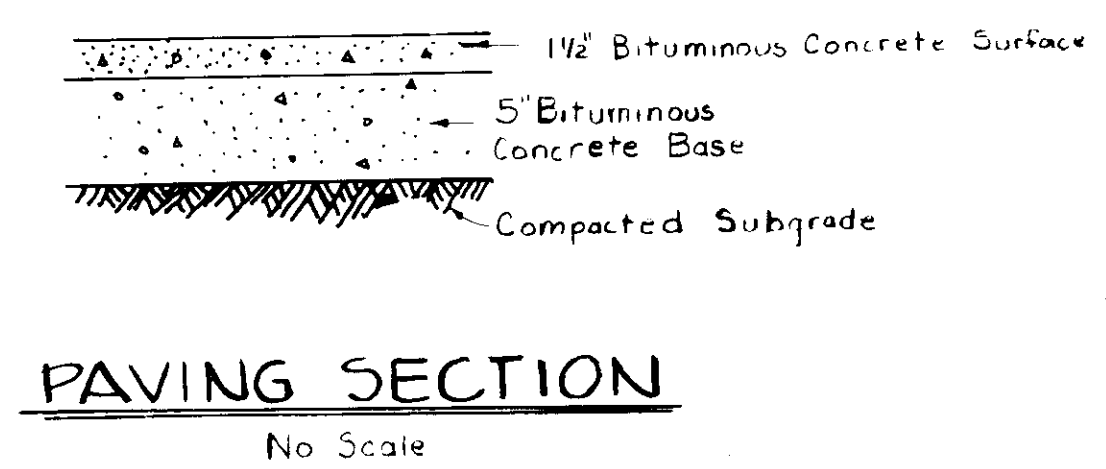
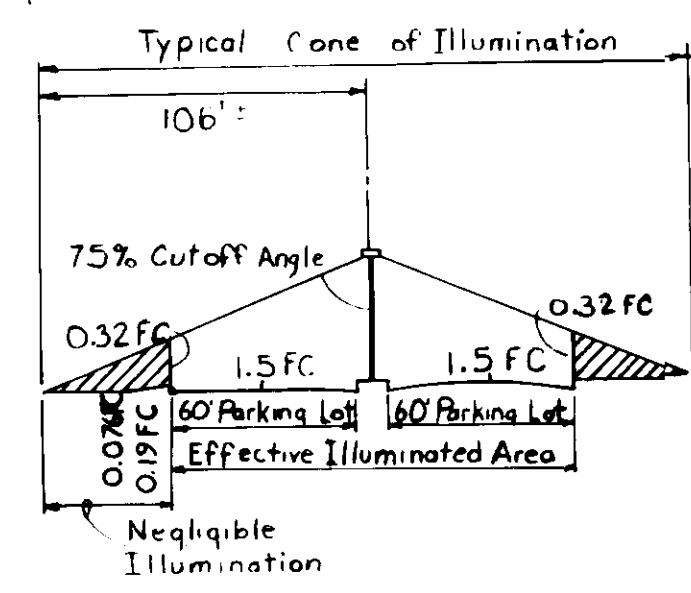
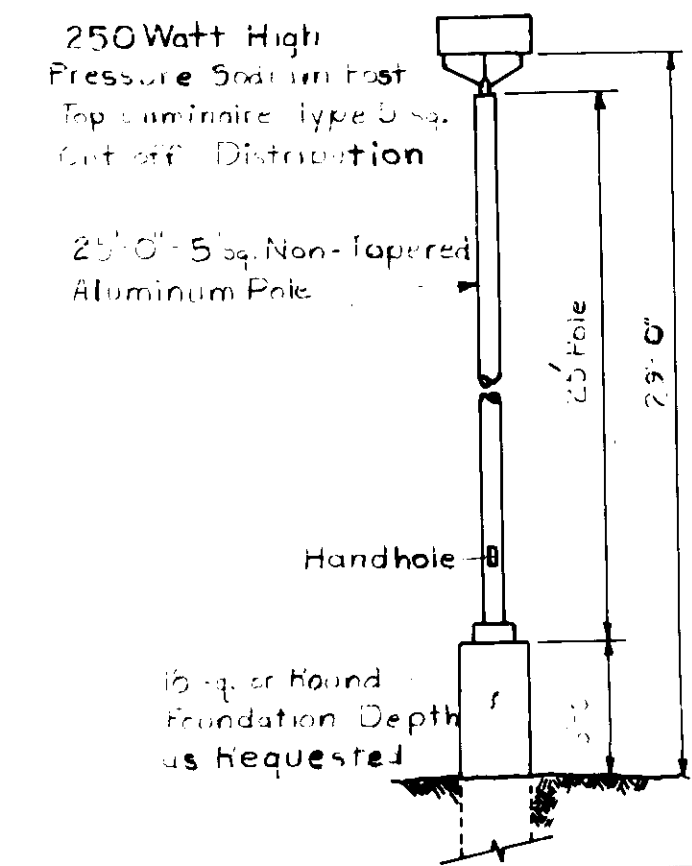
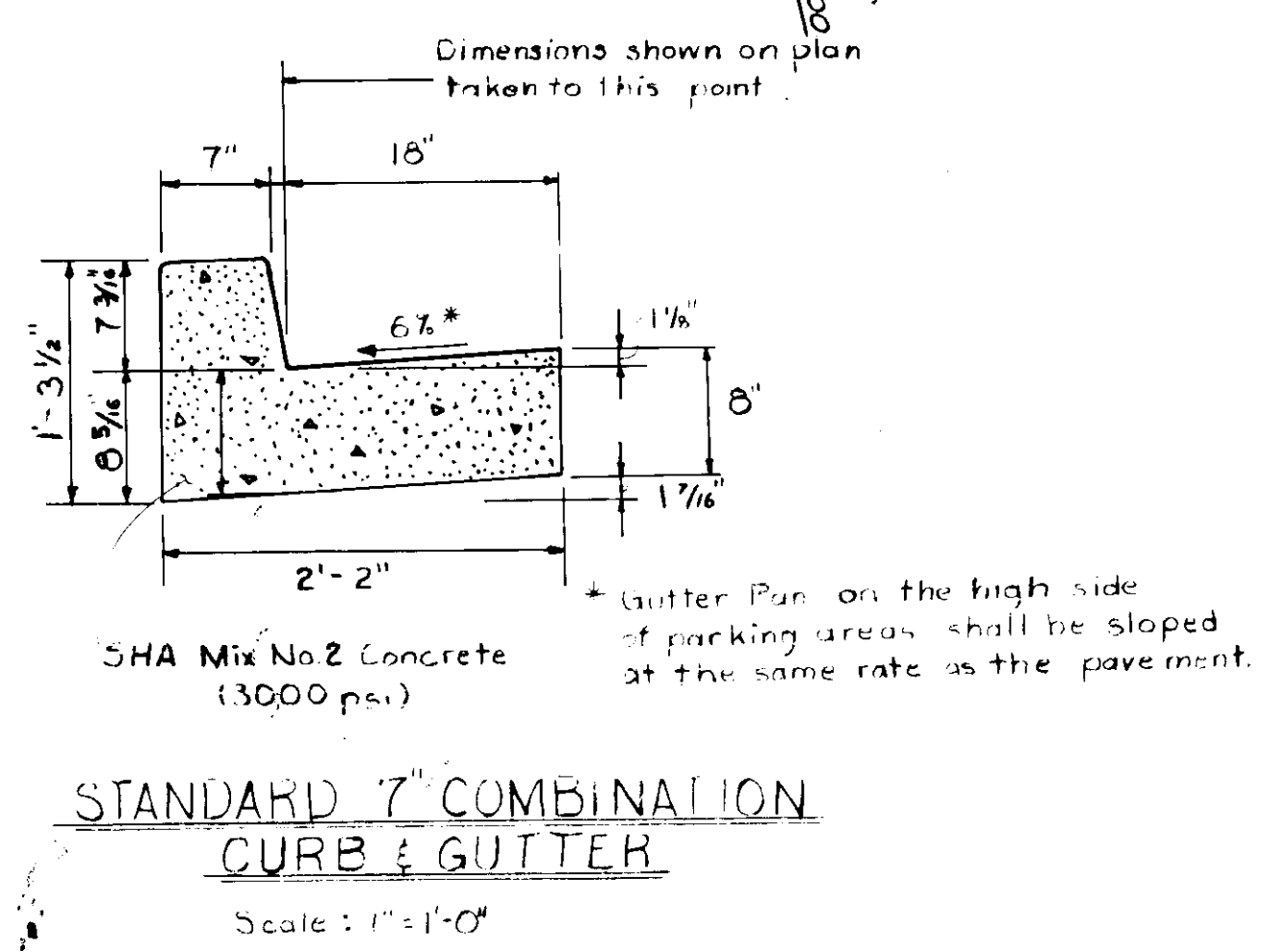
SDP-87-07

STORM DRAIN STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	Top Elev.	Inv. In.	Inv. Out.	REMARKS
I1	S	See Plan, this sheet	435.00	430.15	429.90	5D.422 Std. Grate
I2	S	See Plan, this sheet	436.40	431.75	431.55	5D.422 Std. Grate
I3	S	See Plan, this sheet	437.80	—	433.15	5D.422 Std. Grate
S1	18" Precast	See Plan, this sheet	—	429.50	—	5D.551

- NOTES:
1. All internal island radii are 5' unless otherwise indicated.
 2. All transition between Standard and Modified Curb and Gutter are to be 5' minimum.
 3. Internal access roads and parking lots are to be private.



PLAN
Scale: 1" = 50'



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

John G. Gyles DATE: 10-9-86
COUNTY HEALTH OFFICER

APPROVED: STORM DRAINAGE SYSTEMS, ROADS AND PUBLIC SEWERAGE AND WATER SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Henry F. Nunn DATE: 10-8-86
DIRECTOR

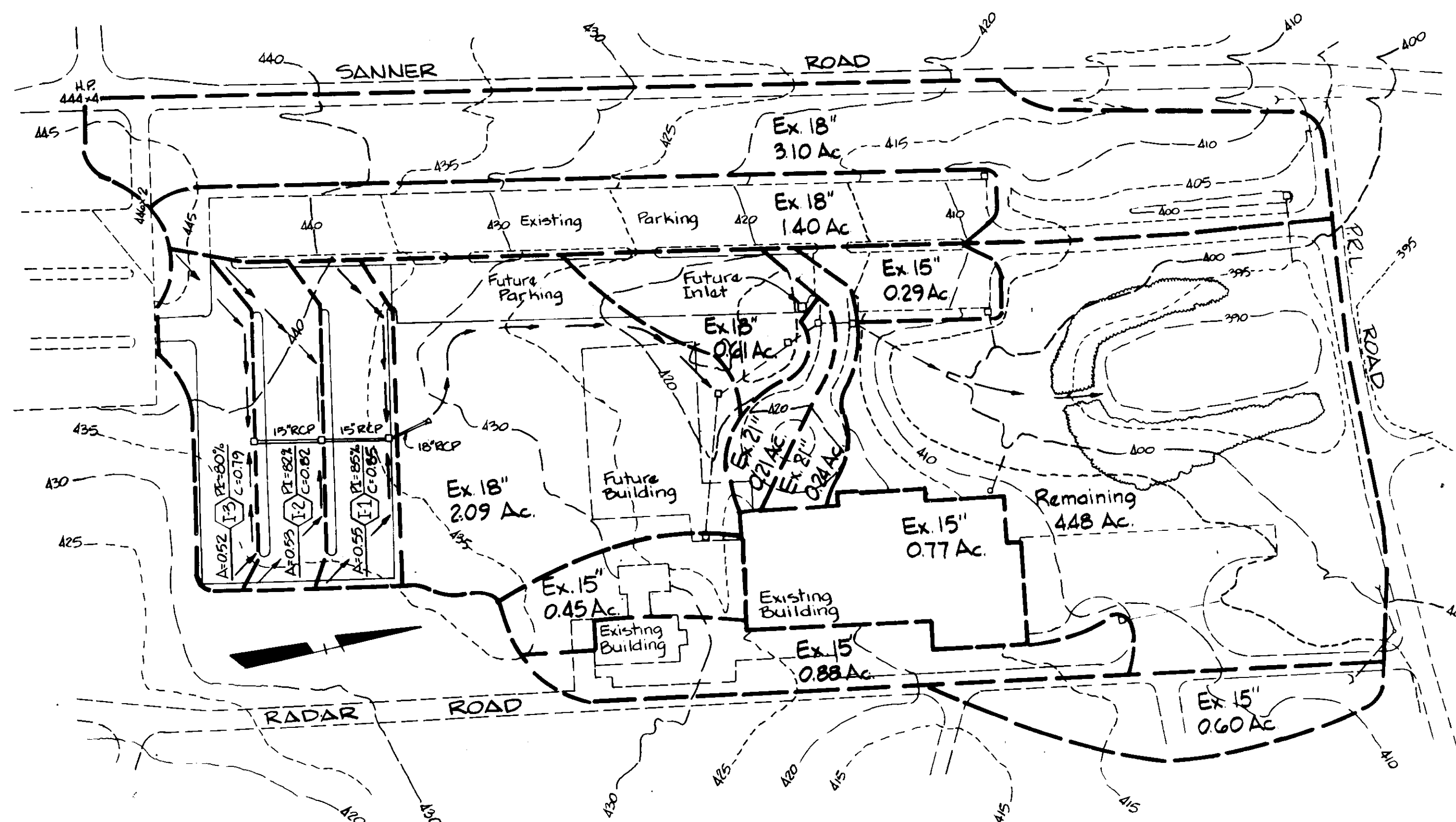
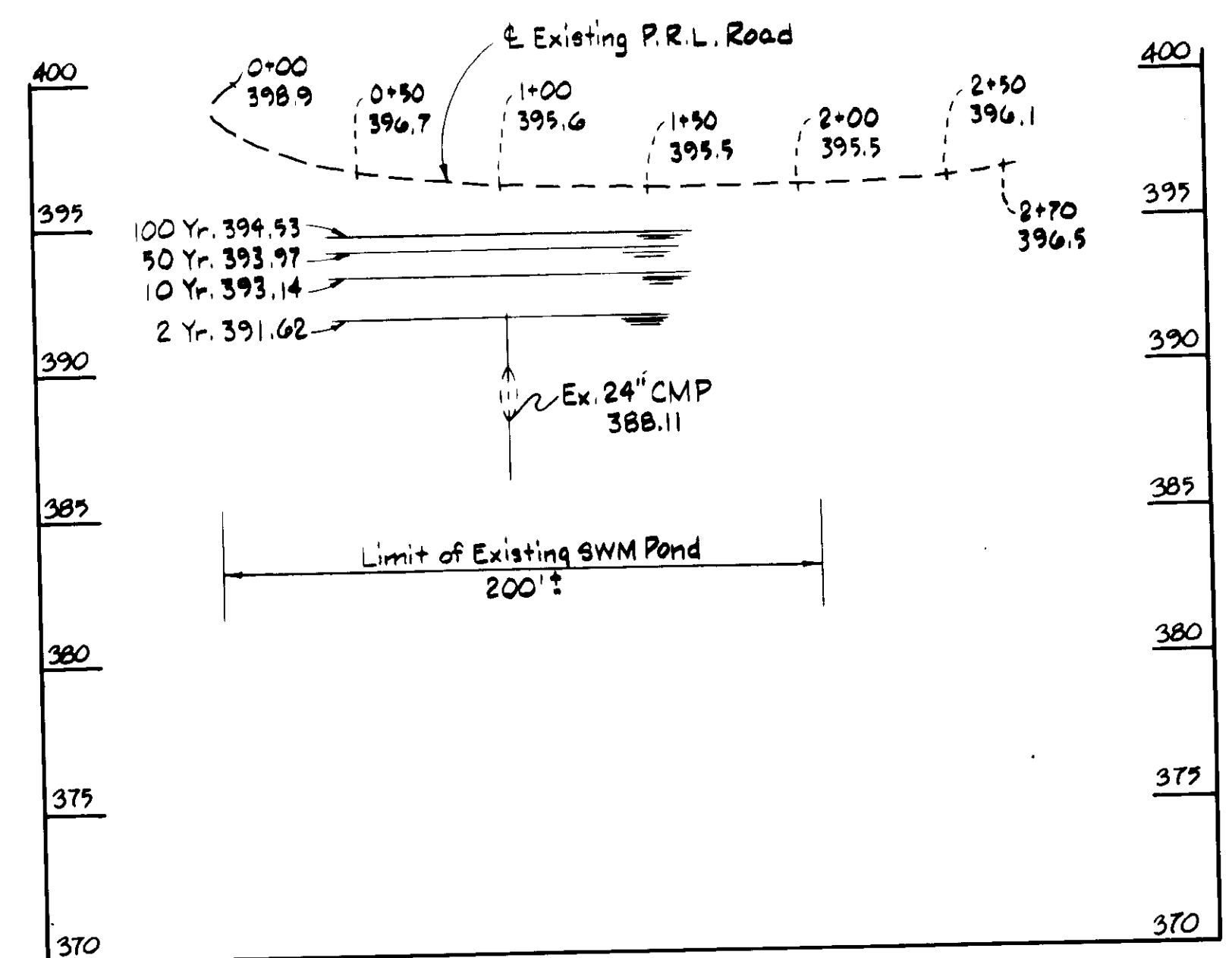
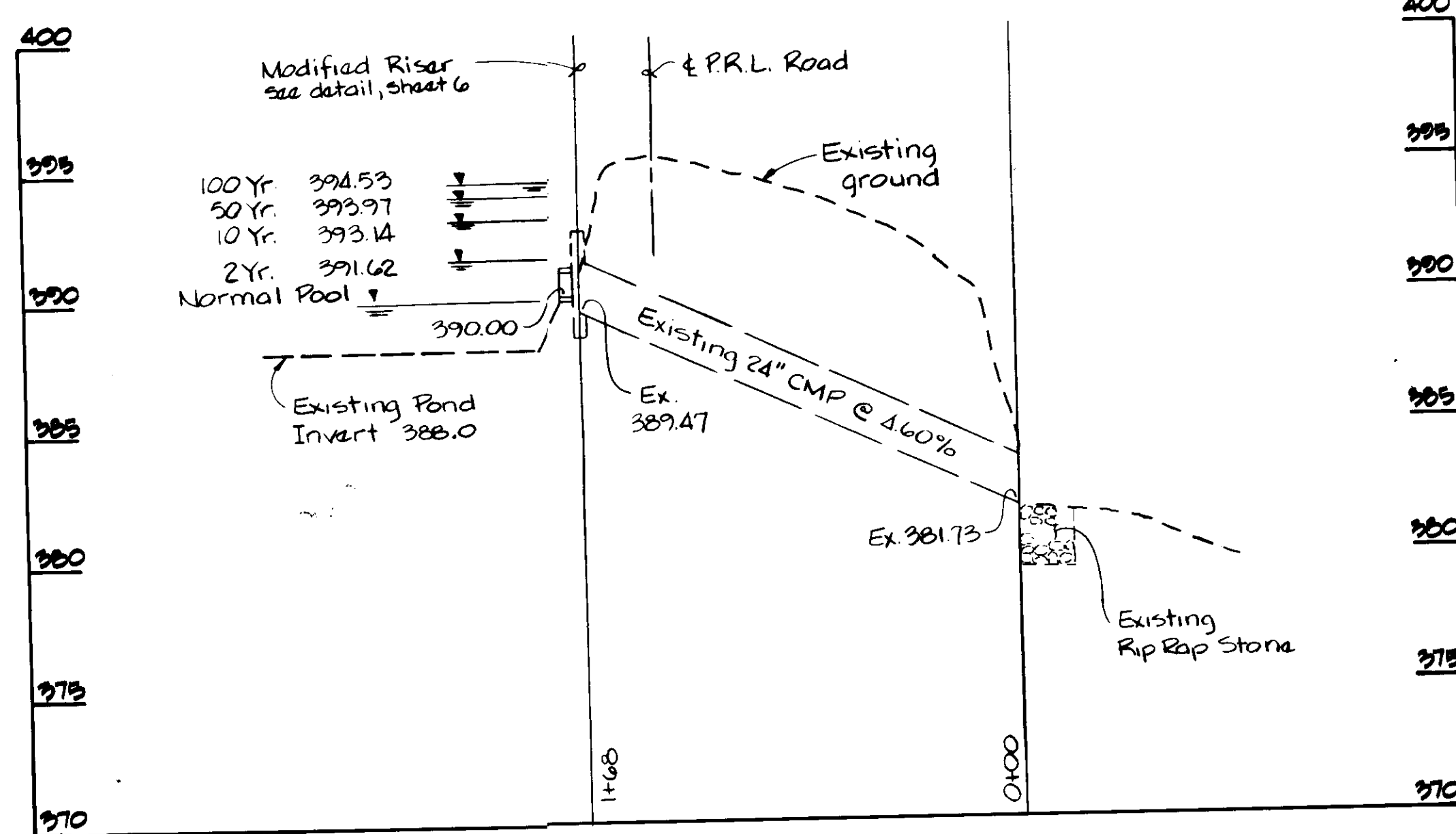
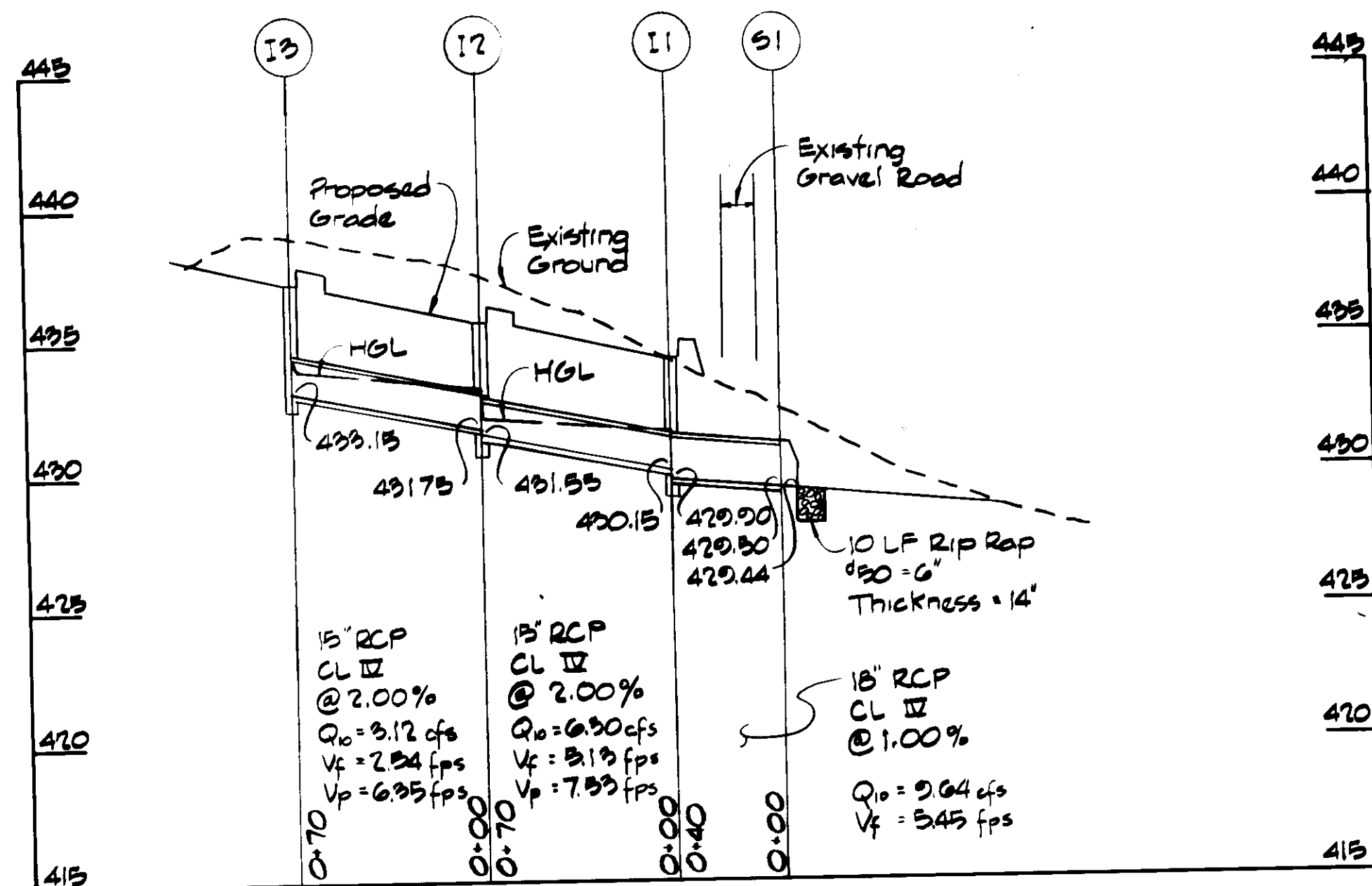
James E. Ryan DATE: 10-8-86
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

James E. Ryan DATE: 10-10-86
PLANNING DIRECTOR

John W. Hunsicker DATE: 10-10-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

WHITMAN, REQUARDT AND ASSOCIATES 2315 SAINT PAUL STREET BALTIMORE, MARYLAND 21218	APPLIED PHYSICS LABORATORY THE JOHNS HOPKINS UNIVERSITY Johns Hopkins Road, Howard County, Maryland Approved For The University By: <i>O. J. Smith</i> Date: 9 July 1980 Title: Asst. Director	SPACE INTEGRATION BUILDING PARKING LOT EXTENSION PARKING LOT ADDITION TO SDP-83-215 AND SDP-86-262 THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY 11100 Johns Hopkins Road Laurel, Maryland 20707	ROADWAY AND UTILITY PLAN Fifth Election District Tax Map 41 Howard County, MD Parcel 123	REVISIONS SCALE AS SHOWN SHEET NO. 3 OF 6 DATE 7-8-86	DRAWING 3 SDP-87-07
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Description	Area (Ac)	% Imp	C	Tc (Min.)
Inlet 1	0.55	85	0.85	6.9
Inlet 2	0.53	82	0.82	7.3
Inlet 3	0.52	80	0.79	7.5
Ex. 15" D	0.60	33	0.45	13.4
Ex. 15" D	0.88	37	0.50	12.9
Ex. 15" D	0.77	95	0.95	5.6
Ex. 15" D	0.45	20	0.28	15.0
Ex. 15" D	0.29	85	0.85	6.9
Ex. 18" D	2.09	8	0.19	16.5
Ex. 18" D	0.61	17	0.26	15.4
Ex. 18" D	1.40	80	0.80	7.5
Ex. 18" D	3.10	16	0.26	15.5
Ex. 21" D	0.21	80	0.80	7.5
Ex. 21" D	0.24	75	0.75	8.1
Pond	4.48	45	0.55	11.9

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

James B. Byles DATE: 10-9-86
COUNTY HEALTH OFFICER

APPROVED: STORM DRAINAGE SYSTEMS, ROADS AND PUBLIC WATER AND SEWERAGE SYSTEMS-HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Walter F. Henry DATE: 10-1-86
DIRECTOR

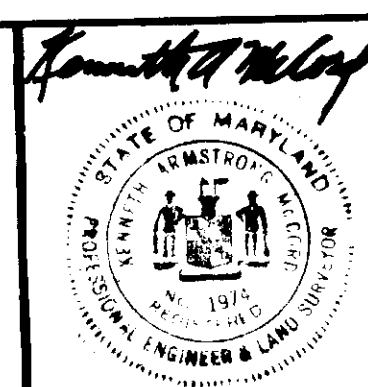
James E. Ryan DATE: 10-8-86
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas L. Harris DATE: 10-10-86
PLANNING DIRECTOR

John W. MacArthur DATE: 10-10-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

WHITMAN, REQUARDT AND ASSOCIATES
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND
21218



APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
Johns Hopkins Road Howard County, Maryland
Approved For The University By: *Op. Smith*
Date 9 July 1986 Title ASST. DIRECTOR

SPACE INTEGRATION BUILDING
PARKING LOT EXTENSION
PARKING LOT ADDITION TO SDP-83-215 AND SDP-86-262
THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
11100 Johns Hopkins Road
Laurel, Maryland 20707

PROFILES, DRAINAGE
AREA MAP
Fifth Election District: Howard County, MD.
Tax Map 41 Parcel 123

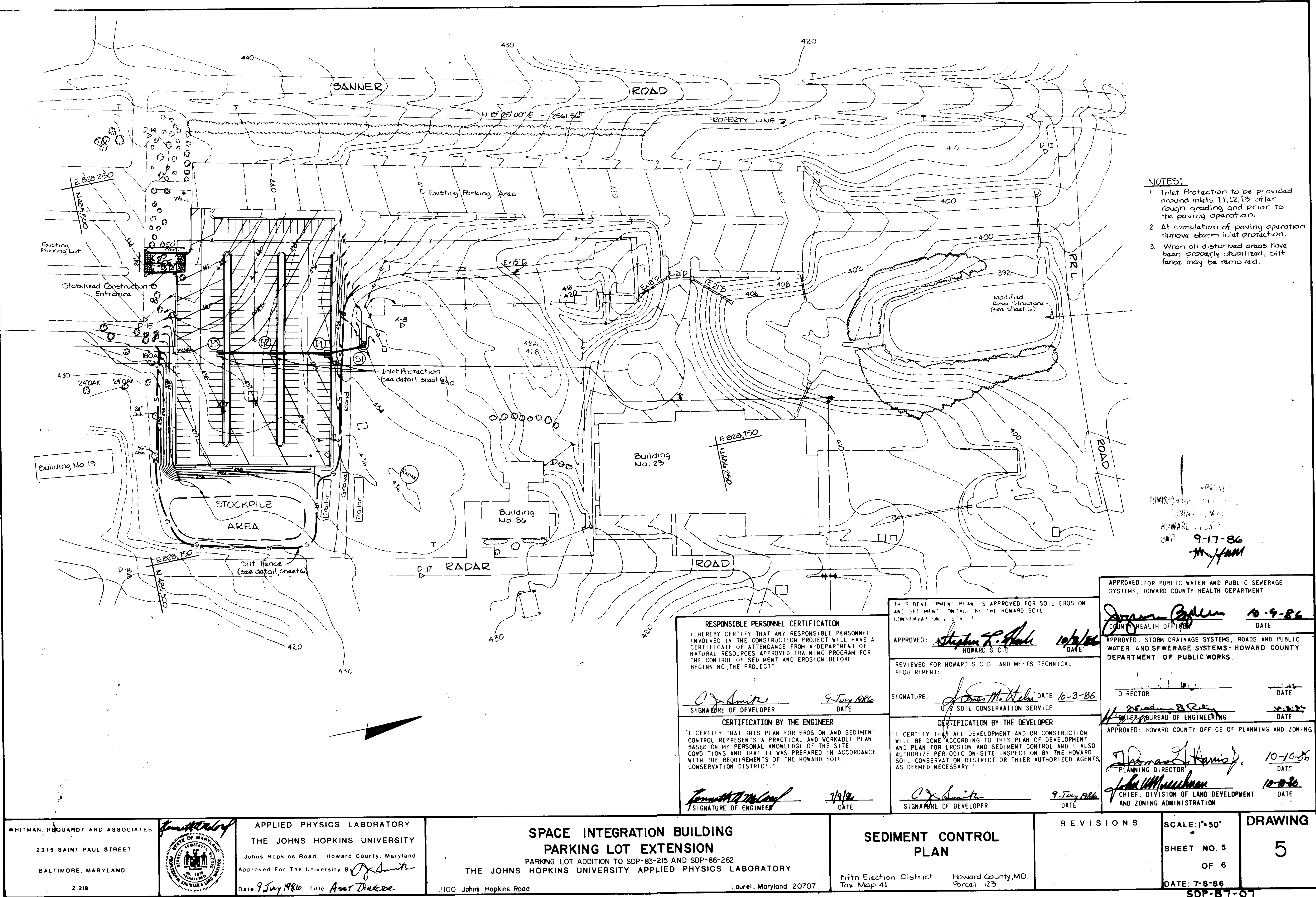
REVISIONS

SCALE AS SHOWN

SHEET NO. 4
QF 6
DATE 7-8-86

DRAWING
4

SDP-87-01



- NOTES:
1. Inlet Protection to be provided around inlets 11, 12, 13 after rough grading and prior to the paving operation.
 2. At completion of paving operation remove storm inlet protection.
 3. When all disturbed areas have been properly stabilized, silt fence may be removed.

APPROVED:
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 9-17-86
M. J. HALL

RESPONSIBLE PERSONNEL CERTIFICATION
I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

C. J. Smith
SIGNATURE OF DEVELOPER
9 July 1986
DATE

CERTIFICATION BY THE ENGINEER
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Kenneth A. McLaughlin
SIGNATURE OF ENGINEER
7/9/86
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Stephen R. Hanks
HOWARD S.C.D.
DATE 10/2/86

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: James M. Nelson
U.S. SOIL CONSERVATION SERVICE
DATE 10-3-86

CERTIFICATION BY THE DEVELOPER
"I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY."

C. J. Smith
SIGNATURE OF DEVELOPER
9 July 1986
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 10-9-86
J. Edgar P. Allen
COUNTY HEALTH OFFICER

APPROVED: STORM DRAINAGE SYSTEMS, ROADS AND PUBLIC WATER AND SEWERAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR
DATE
James M. Nelson
BUREAU OF ENGINEERING
DATE 10-2-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DATE 10-10-86
James L. Harris
PLANNING DIRECTOR
DATE 10-10-86
John W. Muschman
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE

WHITMAN, REQUARDT AND ASSOCIATES 2315 SAINT PAUL STREET BALTIMORE, MARYLAND 21218	APPLIED PHYSICS LABORATORY THE JOHNS HOPKINS UNIVERSITY Johns Hopkins Road Howard County, Maryland Approved For The University By C. J. Smith Date 9 July 1986 Title Asst. Director	SPACE INTEGRATION BUILDING PARKING LOT EXTENSION PARKING LOT ADDITION TO SDP-83-215 AND SDP-86-262 THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY 11100 Johns Hopkins Road Laurel, Maryland 20707	SEDIMENT CONTROL PLAN Fifth Election District Tax Map 41 Howard County, MD. Parcel 123	REVISIONS	SCALE: 1"=50'	DRAWING 5
					SHEET NO. 5 OF 6 DATE: 7-8-86 SDP-87-07	

